

## ABSTRACT

Multiple processors are mounted on a single die. The die is connected to a memory storing multiple operating systems or images of multiple operating systems. Each of the processors or a group of one or more of the processors is operable to execute a distinct one of the multiple operating systems. Therefore, resources for a single operating system may be dedicated to one processor or a group of processors. Consequently, a large number of processors mounted on a single die can operate efficiently.

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